



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : C12N 15/12, C07K 14/705, C12N 5/10, G01N 33/68, C07K 16/18	A2	(11) International Publication Number: WO 00/36101 (43) International Publication Date: 22 June 2000 (22.06.00)
(21) International Application Number: PCT/US99/28107 (22) International Filing Date: 24 November 1999 (24.11.99) (30) Priority Data: 60/110,473 30 November 1998 (30.11.98) US (71) Applicant (for all designated States except US): THE GOVERNMENT OF THE UNITED STATES OF AMERICA, represented by THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES [US/US]; Bethesda, MD 20859 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): DEAN, Michael [US/US]; National Institutes of Health, 9000 Rockville Pike, Building 560, Room 21-18, Frederick, MD 21702 (US). ALLIK-METS, Rando [EE/US]; 5564 Rivendell Place, Frederick, MD 21703 (US). BATES, Susan, E. [US/US]; 5402 Alta Vista Road, Bethesda, MD 20814 (US). FOJO, Antonio, T. [US/US]; 18 New Mark Esplanade, Rockville, MD 20850 (US). (74) Agents: WEBER, Kenneth, A. et al.; Townsend and Townsend and Crew LLP, 8th floor, Two Embarcadero Center, San Francisco, CA 94111-3834 (US).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>Without international search report and to be republished upon receipt of that report.</i>
(54) Title: AN ATP-BINDING CASSETTE PROTEIN RESPONSIBLE FOR CYTOTOXIN RESISTANCE (57) Abstract This invention provides for a novel ATP-binding cassette protein which is responsible for cytotoxin resistance. The invention also provides for methods of expressing the protein and assays for identification of inhibitors of the protein.		

TDB "150" 22695860